

# SPECIFICATIONS

MODEL : LF5000-A(5000W)



# ODA

TECHNOLOGIES  
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Parameter		Specifications	
Operating range(@0°C ~ 40°C)	Voltage	1 to 150.0V	Maximum 157.5
	Current	0 to 800.0A	Maximum 840.0
	Max Power	0 to 5000.0W at 40°C	(derated to 4000.0W at 50°C)
<b>MODE SPECIFICATIONS</b>			
CC MODE	RANGE	HI 0 to 840.0A LOW 0 to 80.0A	
	RESOLUTION	LOW 1.0mA	HI 10.0mA
	Accuracy	±0.1%±160.0mA (after 30sec wait)	
CV MODE	RANGE	HI 1 to 157.5V LOW 0 to 20.0V	
	RESOLUTION	LOW 1.0mV	HI 10.0mV
	Accuracy	±0.05%±30.0mV	
CR MODE	RANGE	0.03 to 480Ω	
	RESOLUTION	10mΩ	
	Accuracy	±0.5%±50mΩ (<50mS)	
CP MODE	RANGE	0 to 6000.0W at 40°C	
	RESOLUTION	100mW	
	Accuracy	±0.5%±450mW (<50mS)	
ON/OFF MODE	RANGE	0 to 840.0A	
	RESOLUTION	10.0mA	
	Accuracy	±0.1%±160.0mA (after 30sec wait)	
	ON/OFF TIME	100mS~250H59M59S990mS(10mS Unit)	
	REPEAT	1~65000	
FUSE MODE	RANGE	0 to 840.0A	
	RESOLUTION	10.0mA	
	Accuracy	±0.1%±160.0mA (after 30sec wait)	
	FUSE TIME	100mS~250H59M59S990mS(10mS Unit)	
BAT MODE	CC	RANGE	0 to 840.0A
		Accuracy	±0.1%±160.0mA (after 30sec wait)
	CR	RANGE	0.03 to 480Ω
		Accuracy	±0.5%±50mΩ (<50mS)
	CP	RANGE	0 to 6000.0W at 40°C
		Accuracy	±0.5%±450mW (<50mS)
	END Volt	0 to 157.5V	
END CAP	0.01 to 5000AH		
CYCLE MODE	CC	RANGE	0 to 840.0A
		Accuracy	±0.1%±160.0mA (after 30sec wait)
	CV	RANGE	0 to 157.5V
		Accuracy	±0.05%±30.0mV
	CYCLE TIME	100mS~250H59M59S990mS(10mS Unit)	
	STEP	1~100Step	
REPEAT	1~65000		
DYNAMIC MODE	MEMORY CH		2CH
	Freq Range		0.5Hz ~ 10KHz
	Freq Accuracy		3%
	Duty Cycle Range		3~97%(<200μS)
	Duty Cycle Accuracy		6% of setting±2%
	CC	Range	0 to 840.0A
		Accuracy	A ±0.1%±160.0mA      B ±0.2%±320.0mA
	CV	Range	0 to 157.5V
		Accuracy	A ±0.05%±30.0mV      B ±0.1%±60.0mV
	<b>SLEW RATE(typical values: 5%~95%)</b>		
CC,CR,CP MODE		<200μS(0 to 800.0A)	
CV MODE		<2mS(0 to 150.0V)	
<b>PROTECTION</b>			
OVP		162.0V(<10mS)	
OCP		864.0A(<10mS)	
OPP		5400.0W(<10mS)	
OTP		100°C(Heatsink Temp)	
Short& Open	Shor	100mΩ(max), 50mΩ(typical)	
	Open	≥20kΩ	
Ripple& Noise	Current	4mA(rms)/40mA(p-p)	
	Voltage	6mV(rms)	
Remote Sensing		3Vdc between sense And load input	
INPUT AC		110/220V(S/W) ± 10% 50~60Hz/300mA POWER MAX :440W	
Remote Interface		RS-232C & RS-485 (TCP/IP Option)	
Cooling		Isolation DC FAN	
Dimensions (19-inch 2U Standard)		600mm(W) * 800mm(H) * 900mm(D)	
Weight		90kg(Net weight) / 95kg(Gross weight)	